

C-6862

Sub. Code

99521

DIPLOMA EXAMINATION, APRIL 2022

Second Semester

Poultry Health

DISEASES OF POULTRY I (BACTERIAL AND VIRAL)

(2021 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Morbidity
2. Omphalitis
3. EDS-76
4. HACCP
5. GMP
6. Quarantine
7. Etiology
8. Leechi disease
9. Vaccination
10. Active immunity

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Salmonellosis-clinical signs and etiology.

Or

- (b) Infectious coryza-prevention and control.

12. (a) Medication in poultry.

Or

- (b) Vaccination schedule for broilers.

13. (a) Gumboro disease-transmission and etiology.

Or

- (b) Avian influenza variant types.

14. (a) Vertically transmitted diseases in poultry.

Or

- (b) Avipox-postmortem lesions and diagnosis.

15. (a) Mycoplasmosis-diagnosis and treatment.

Or

- (b) Feed quality testing.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Write in detail on the etiology, host and transmission, signs, morbidity and mortality, gross lesions, diagnosis, treatment and control of Infectious Laryngo tracheitis.

Or

- (b) Write in detail on the etiology, host and transmission, signs, morbidity and mortality, gross lesions, diagnosis, treatment and control of Fowl Cholera.

17. (a) Describe in detail on the etiology, host and transmission, signs, morbidity and mortality, gross lesions, diagnosis, treatment and control of Newcastle disease.

Or

- (b) Write in detail on the etiology, host and transmission, signs, morbidity and mortality, gross lesions, diagnosis, treatment and control of Infectious Bursal disease.
18. (a) Describe in detail on analyzing post vaccinal immune response in poultry.

Or

- (b) Describe in detail on maintaining Salmonella and Mycoplasma free breeding flock.
-

C-6863

Sub. Code

99522

Diploma EXAMINATION, APRIL 2022

Second Semester

Poultry Health

**DISEASES OF POULTRY II (PARASITIC, FUNGAL
METABOLIC AND DEFICIENCY DISEASES)**

(2021 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Gout
2. Brooder pneumonia
3. Round worms
4. Scaly leg
5. Aflatoxin
6. Star gazing
7. Curled toe paralysis
8. *Eimeria tenella*
9. Cryptosporidiosis
10. Cannibalism

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Vitamin B6 deficiency.
Or
(b) Perosis.
12. (a) Cage layer fatigue.
Or
(b) Common vices of chicken.
13. (a) Bumble foot.
Or
(b) Crazy chick disease.
14. (a) Histomonosis.
Or
(b) Rickets.
15. (a) Control of ectoparasites.
Or
(b) Vitamin B1 deficiency.

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Write in detail on the etiology, host and transmission, signs, morbidity and mortality, gross lesions, diagnosis, treatment and control of Aflatoxicosis.
Or
(b) Write in detail on the etiology, host and transmission, signs, morbidity and mortality, gross lesions, diagnosis, treatment and control of Coccidiosis.

17. (a) Describe in detail on the etiology, host and transmission, signs, morbidity and mortality. gross lesions, diagnosis, treatment and control of Fatty Liver Haemorrhagic Syndrome.

Or

- (b) Write in detail on the etiology, host and transmission, signs, morbidity and mortality. gross lesions, diagnosis, treatment and control of Ascites.
18. (a) Describe in detail on Trichomonosis and treatment of tape worm infections in poultry.

Or

- (b) Describe in detail on Malabsorption syndrome in poultry.
-

C-6864

Sub. Code

99523

DIPLOMA EXAMINATION, APRIL 2022.

Second Semester

Poultry Health

CONVENTIONAL AND MODERN DIAGNOSTIC TOOLS

(2021 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Serological test
2. Gram positive bacteria
3. RTPCR
4. Hybridoma
5. Monoclonal antibody
6. Agar gel
7. Bacteria
8. Southern blot
9. HAI test
10. Nucleic acid

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) Colony morphology

Or

- (b) Tube Agglutination test

12. (a) Immune histochemistry

Or

(b) Counter immune electrophoresis

13. (a) Isolation of causative organisms

Or

(b) Nested PCR

14. (a) Blast analysis

Or

(b) Mutiplex PCR

15. (a) Northern blotting technique

Or

(b) Plate agglutination test

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) List out the modern serological tests and explain one technique in detail.

Or

(b) Write in detail on the ELISA

17. (a) List out the nucleic acid amplification methods and explain one method in detail.

Or

(b) Compare between Hemagglutination and Hemagglutination Inhibition test.

18. (a) How do you compare modern serological diagnostic tests with nucleic acid amplification methods?

Or

- (b) List out the conventional serological methods and explain one method in detail.
-

C-6865

Sub. Code

99524

DIPLOMA EXAMINATION, APRIL 2022.

Second Semester

Poultry Health

EPIDEMIOLOGY OF AVIAN DISEASES

(2021 onwards)

Duration : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Epidemiology
2. One health
3. Zoonosis
4. Maps
5. Grids
6. Bacteria
7. Protozoa
8. Ecology
9. HSADL
10. Virus

Part B

(5 × 5 = 25)

Answer **all** questions.

11. (a) National Animal Disease Reporting System

Or

- (b) Food hygiene

12. (a) Pattern of disease occurrence

Or

- (b) Role of BIS in food safety

13. (a) Biosecurity in feed mill

Or

- (b) Risk assessment

14. (a) Codex alimentarius

Or

- (b) World Trade Organization

15. (a) Data collection in poultry disease surveillance

Or

- (b) World Health Organization

Part C

(3 × 10 = 30)

Answer **all** questions.

16. (a) Write in detail on aim and components of epidemiology.

Or

- (b) Write in detail on the poultry disease surveillance with special reference to objectives, types and contact tracing

17. (a) Write in detail on emerging and reemerging poultry diseases.

Or

(b) Write in detail on notifiable poultry diseases

18. (a) Write in detail on sanitary and phytosanitary measures about food of poultry origin.

Or

(b) Write an essay on factors influencing the occurrence of poultry diseases.
